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 INTERNATIONAL SEARCH REPORT

International Application No
 PCT/EP2004/000729

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07H21/04 C01D5/00 C12Q1/68		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07H C01D C12Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GRUNAU C., CLARK S.J., ROSENTHAL A.: "Bisulfite genomic sequencing: systematic investigation of critical experimental parameters" NUCLEIC ACIDS RESEARCH, vol. 29, no. 13, 2001, pages e65-1-e65-7, XP002241346 Oxford	8, 11
Y	cited in the application page e65-2, left-hand column "deamination"; page e65-3, table 1, entry 5 and 6	1-7, 9, 10, 12-14
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		
<input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 13 May 2004		Date of mailing of the international search report 07/06/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Hennard, C

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HAYATSU H, WATAYA Y, KAI K: "The Addition of Sodium Bisulfite to Uracil and to Cytosine" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 92, no. 3, 1970, pages 724-726, XP002241347 cited in the application page 724, for last paragraph	11
X	RAIZIS A.M., SCHIMTT F., JOST J.P.: "A Bisulfite Method of 5-methylcytosine Mapping that Minimizes Template Degradation" ANALYTICAL BIOCHEMISTRY, vol. 226, 1995, pages 161-166, XP002241348 cited in the application	11
Y	page 162, "bisulfite reaction"; page 163, Fig 2 and 3; page 164, last paragraph; page 165-166, "Discussion"	1-7, 9, 10, 12-14
X	SABBAN E.L., BHANOT O.S.: "The effect of Bisulfite-induced C-U Transitions on Aminoacylation of Escherichia coli Glycine tRNA" THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 257, no. 9, 1982, pages 4796-4805, XP002241349 page 4797, right-hand column, "Kinetics for C-U transitions"	11
X	KUBAREVA E A ET AL: "DETERMINATION OF METHYLATION SITE OF DNA-METHYL-TRANSFERASE NLAX BY A HYBRID METHOD" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US, vol. 33, no. 3, September 2002 (2002-09), pages 526-531, XP008009336 ISSN: 0736-6205 page 526, last paragraph	8, 11, 12
X	FEIL R ET AL: "Methylation analysis on individual chromosomes: improved protocol for bisulphite genomic sequencing" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 22, no. 4, 1994, pages 695-696, XP002106413 ISSN: 0305-1048 cited in the application page 695, left-hand column bottom	11

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PAULIN RICHARD ET AL: "Urea improves efficiency of bisulphite-mediated sequencing of 5'-methylcytosine in genomic DNA"</p> <p>NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 26, no. 21, 1 November 1998 (1998-11-01), pages 5009-5010, XP002210104 ISSN: 0305-1048 cited in the application page 5009, right-hand column</p>	8,11
X	<p>CLARK SUSAN J ET AL: "High sensitivity mapping of methylated cytosines"</p> <p>NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 22, no. 15, 1994, pages 2990-2997, XP002210107 ISSN: 0305-1048 cited in the application page 2991</p>	11
A	<p>US 4 844 880 A (BEAN SAMUEL L ET AL) 4 July 1989 (1989-07-04) column 4, line 62 - column 5, line 19</p>	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4844880	A	04-07-1989	NONE